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# PHILOSOPHICAL TRANSACTIONS.

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Monday, Decemb. 4. 1665.

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## The Contents.

*Monsieur de Sons progress in working Parabolic Glasses. Some speculations of Monsieur Auzout concerning the changes, likely to be discovered in the Moon. The instance of the same Person to Mr. Hook, for communicating his Contrivance of making with Glasses of a few feet Diameter, Telescopes drawing several hundred feet; together with his Offer of recompensing that secret with another, which teaches, How to measure with a Telescope the Distances of Objects upon the Earth. The Experiment of Kircher, of preparing a Liquor, that shall sink into, and colour the whole Body of Marble, delivered at length. An Intimation of a Way found in Europe, to make good China-Dishes. An Account of an odd Spring in Westphalia, together with an Information touching Salt-Springs; and a way of straining Salt-water. Of the Rise and Attempts of a way to convey Liquors immediately into the Mass of Blood.*

Of Monsieur de Sons Progress in working Parabolic Glasses.

Since what was mentioned in the immediately precedent *Transact*, touching Monsieur de Son's noble attempt of grinding Glasses of a *Parabolical* Figure, the Publisher of these Papers hath himself seen two *Eye-glasses* of that shape, about one inch & a half deep, and one inch and a quarter broad, wrought by this Eminent *Artist* with a rare Steel-instrument of his own contrivance and workmanship, and by himself also polished to admiration. And certainly it will be wondred at by those,

R.

who

who shall see these Glasses, how they could be truly wrought to such a Figure, with such a Cavity; & yet more, when they shall hear the Author undertake to excavate other such Eye-Glasses to above two inches, and *Object-glasses* of five inches Diameter. He hath likewise already begun his *Object-glasses* for the mentioned two *Ocular* ones, of the same Figure of about two inches Diameter, which are to be left all open, yet without causing any colours. Of all which 'tis hoped, that shortly a fuller and more particular account will be given.

*Monsieur Auzout's Speculations of the Changes, likely to be discovered in the Earth and Moon, by their respective Inhabitants.*

This Inquisitive *Philosopher* in a letter of his, lately written to his correspondent in *London*, takes occasion to discourse of his considerations concerning those Changes, mentioned in the *Title*, as follows;

I have ( faith be ) sometimes thought upon the *Changes*, which 'tis likely, the supposed Inhabitants of the *Moon* might discover in our *Earth*, to see, whither reciprocally I could observe any such in the *Moon*. For example, me-thinks, that the *Earth* would to the people of the *Moon* appear to have a different face in the several seasons of the year; and to have another appearance in *Winter*, when there is almost nothing green in a very great part of the *Earth*; when there are Countries all covered with snow, others, all covered with water, others, all obscured with Clouds, and that for many weeks together: *Another* in *Spring*, when the *Forrests* and *Fields* are green. *Another* in *Summer*, when whole *Fields* are yellow &c. Me thinks, I say, that *these* changes are considerable enough in the force of the reflexions of *Light* to be observed, since we see so many differences of *Lights* in the *Moon*. We have *Rivers* considerable enough to be seen, and they enter far enough into